

CLAIMS

- Replaced by
ART 34 AMDT*
1. An isolated polypeptide comprising at least 8 contiguous amino acids of the protein sequence of SEQ ID NO: 6, wherein said polypeptide has biological activity.
 2. The isolated polypeptide of claim 1, wherein said polypeptide comprises the protein sequence of SEQ ID NO: 6.
 3. A method of making a Pep714-related peptide, said method comprising the steps of:
 - i) providing a population of host cells capable of expressing the polypeptide of claim 1 or 2;
 - ii) culturing said population of host cells under conditions conducive to the expression of said polypeptide;
 - iii) isolating said polypeptide.
 4. A Pep714-related peptide antibody that selectively binds to the polypeptide of claim 1.
 5. A method of binding an antibody to a protein comprising the steps of:
 - i) contacting an anti- Pep714-related peptide antibody that selectively binds to the polypeptide of claim 1 with the polypeptide of claim 1; and
 - ii) removing nonbinding contaminants.
 6. A composition comprising the polypeptide according to claim 1, further comprising a carrier or diluent.
 7. The pharmaceutical composition according to claim 6, wherein said polypeptide is present at an antimicrobially effective amount.
 8. The pharmaceutical composition of claim 6, wherein said polypeptide is present at an antivirally effective amount.
 9. A method for reducing microbial concentration, comprising the step of administering the composition of claim 6 or 7 to an individual.

10. A method of reducing viral infection, comprising the step of administering the composition of claim 6 or 8 to an individual.

11. The method of claim 9 or 10, wherein said composition is administered by injection.

12. A method of inhibiting viral propagation, comprising the step of treating a material or fluid with the polypeptide of claim 1.

13. A method of inhibiting microbial propagation, comprising the step of treating a material or fluid with the polypeptide of claim 1.

10/521005
Rec'd PCT/PTO 07 JAN 2005

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/06930A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07K14/47 C07K16/00 G01N33/53 A61K39/00 A61K38/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, SEQUENCE SEARCH, CHEM ABS Data, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02 13857 A (EGYED ALENA; FRITZ JOERG (AT); MATTNER FRANK (AT); BUSCHLE MICHAEL) 21 February 2002 (2002-02-21) SEQ ID NO.11 figure 1	1-13
X	WO 02 09738 A (MCANULTY JONATHAN F; REID TED W (US); MURPHY CHRISTOPHER J (US)) 7 February 2002 (2002-02-07) SEQ ID NO:32 page 27; table 1	1-13
X	US 6 103 888 A (HIRATA MICHIMASA ET AL) 15 August 2000 (2000-08-15) cited in the application SEQ ID NO:2 column 29; figure 10	1-13
	--- -/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

14 October 2003

Date of mailing of the international search report

05/11/2003

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Sirim, P

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/06930

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>SORENSEN OLE ET AL: "The human antibacterial cathelicidin, hCAP-18, is bound to lipoproteins in plasma" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 274, no. 32, 6 August 1999 (1999-08-06), pages 22445-22451, XP002257545 ISSN: 0021-9258 page 22445; figure 7; table II page 22450, column 1, paragraph 1 page 22451, column 1, paragraph 2 -----</p>	1-13

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP 03/06930

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 9 to 13 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No

PCT/EP 03/06930

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0213857	A	21-02-2002	AU	8981301 A	25-02-2002
			CA	2418854 A1	21-02-2002
			WO	0213857 A2	21-02-2002
			EP	1309345 A2	14-05-2003
WO 0209738	A	07-02-2002	AU	7907301 A	13-02-2002
			CA	2417331 A1	07-02-2002
			EP	1305040 A1	02-05-2003
			WO	0209738 A1	07-02-2002
			US	2002090369 A1	11-07-2002
US 6103888	A	15-08-2000	AU	4682593 A	14-02-1994
			EP	0746605 A1	11-12-1996
			JP	8504085 T	07-05-1996
			WO	9402589 A1	03-02-1994
			US	5618675 A	08-04-1997